

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits | Search Query                            | DBs  | Default Operator | Plurals | Time Stamp          |
|-------|------|---|--|------------------|---------|---------------------|
| L1    | 4271 | (380/28)                                | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND              | ON      | 2010/12/27<br>17:14 |
| L2    | 1295 | (380/29)                                | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND              | ON      | 2010/12/27<br>17:15 |
| L3    | 1210 | (712/200)                               | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND              | ON      | 2010/12/27<br>17:21 |
| L4    | 1174 | (712/215)                               | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND              | ON      | 2010/12/27<br>17:43 |
| L5    | 832  | (712/221)                               | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND              | ON      | 2010/12/27<br>17:44 |
| L6    | 578  | (380/28)(380/29)                        | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND              | ON      | 2010/12/27<br>17:46 |
| L7    | 165  | (712/200)(712/215)                      | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND              | ON      | 2010/12/27<br>17:46 |
| L8    | 7    | (380/28) (chained near2<br>operations)  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND              | ON      | 2010/12/27<br>17:47 |
| L9    | 2    | (380/29) (chained near2<br>operations)  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND              | ON      | 2010/12/27<br>17:47 |
| L10   | 3    | (712/200) (chained near2<br>operations) | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND              | ON      | 2010/12/27<br>17:48 |
| L11   | 4    | (712/215) (chained near2<br>operations) | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND              | ON      | 2010/12/27<br>17:48 |

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|-------|------|--|--|-----|----|---------------------|
| L12   | 1    | (chained near2 operation)<br>multiply accumulate partial<br>(instruction near2 set)<br>@ad<"20030630"                        | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2010/12/27<br>17:48 |
| L13   | 6    | (chained near2 operation)<br>multiply accumulate partial<br>@ad<"20030630"   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2010/12/27<br>17:49 |
| L14   | 14   | (chained near2 operations)<br>multiply accumulate (single<br>near2 operation)<br>@ad<"20030630"                              | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2010/12/27<br>17:49 |
| L15   | 6    | (chained near2 operations)<br>multiply accumulate partial<br>@ad<"20030630"  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2010/12/27<br>17:50 |
| S2004 | 49   | "instructions" "generate" "key"<br>"cryptographic" "public key"<br>"encryption" "accelerating"<br>@ad<"20030630"             | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2007/06/10<br>05:10 |
| S2005 | 2439 | (380/28)   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2007/06/10<br>05:10 |
| S2006 | 354  | "generate" "key"<br>"cryptographic" "public key"<br>"encryption" "acceleration"<br>"algorithm" @ad<"20030630"                | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2007/06/10<br>05:11 |
| S2007 | 265  | "instructions" "generate" "key"<br>"cryptographic" "public key"<br>"encryption" "acceleration"<br>"algorithm" @ad<"20030630" | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2007/06/10<br>05:12 |
| S2008 | 273  | "instructions" "generate" "key"<br>"cryptographic" "public key"<br>"encryption" "acceleration"<br>@ad<"20030630"             | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2007/06/10<br>05:12 |
| S2009 | 886  | (380/29)   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2007/06/10<br>05:12 |
| S2010 | 391  | (380/28)(380/29)   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2007/06/10<br>05:13 |
| S2011 | 28   | "instructions" "generate"<br>"cryptographic key" "public key"<br>"encryption" "acceleration"<br>@ad<"20030630"               | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2007/06/10<br>16:12 |
| S2012 | 273  | "instructions" "generate" "key"<br>"cryptographic" "public key"<br>"encryption" "acceleration"<br>@ad<"20030630"             | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2007/06/10<br>16:10 |

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| S2013 | 0    | "instructions" "generate" "key"<br>"cryptographic" "public key"<br>"encryption" "acceleration"<br>"carry save" "carry adder"<br>"Wallace tree" "carry out"<br>@ad<"20030630" | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2007/09/16<br>23:39 |
| S2014 | 0    | "instructions" "generate" "key"<br>"cryptographic" "public key"<br>"encryption" "acceleration"<br>"carry save" "adder" "Wallace<br>tree" "carry out"<br>@ad<"20030630"       | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2007/06/10<br>16:13 |
| S2015 | 28   | "instructions" "generate"<br>"cryptographic key" "public key"<br>"encryption" "acceleration"<br>@ad<"20030630"   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2007/06/10<br>16:12 |
| S2016 | 0    | "instructions" "generate" "key"<br>"cryptographic" "public key"<br>"encryption" "acceleration"<br>"carry save" "adder" "Wallace<br>tree" @ad<"20030630"                      | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2007/06/10<br>16:13 |
| S2017 | 0    | "instructions" "generate" "key"<br>"cryptographic" "public key"<br>"encryption" "acceleration"<br>"Wallace tree"<br>@ad<"20030630"   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2007/06/10<br>16:13 |
| S2018 | 5    | "instructions" "key"<br>"cryptographic" "public key"<br>"encryption" "Wallace tree"<br>@ad<"20030630"  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2007/09/16<br>23:40 |
| S2019 | 4    | "instructions" "key"<br>"cryptographic" "public key"<br>"encryption" "extended carry"<br>@ad<"20030630"  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2007/09/16<br>23:40 |
| S2020 | 2790 | (380/28)   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2008/06/08<br>21:25 |
| S2021 | 949  | (380/29)   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2008/06/08<br>21:26 |
| S2022 | 429  | (380/28)(380/29)   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2008/06/08<br>21:26 |
| S2023 | 53   | "instructions" "generate" "key"<br>"cryptographic" "public key"<br>"encryption" "accelerating"<br>@ad<"20030630"   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2008/06/08<br>21:26 |
| S2024 | 379  | "generate" "key"<br>"cryptographic" "public key"<br>"encryption" "acceleration"<br>"algorithm" @ad<"20030630"  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2008/06/08<br>21:27 |

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| S2025 | 285  | "instructions" "generate" "key"<br>"cryptographic" "public key"<br>"encryption" "acceleration"<br>"algorithm" @ad<"20030630" | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2008/06/08<br>21:27 |
| S2026 | 293  | "instructions" "generate" "key"<br>"cryptographic" "public key"<br>"encryption" "acceleration"<br>@ad<"20030630"             | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2008/06/08<br>21:27 |
| S2027 | 28   | "instructions" "generate"<br>"cryptographic key" "public key"<br>"encryption" "acceleration"<br>@ad<"20030630"               | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2008/06/08<br>21:28 |
| S2028 | 293  | "instructions" "generate" "key"<br>"cryptographic" "public key"<br>"encryption" "acceleration"<br>@ad<"20030630"             | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2008/06/08<br>21:28 |
| S2029 | 18   | "arithmetic circuit" "first"<br>"second" "feedback"<br>"cryptographic"<br>@ad<"20030630"                                     | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2008/06/08<br>21:29 |
| S2030 | 2    | "arithmetic circuit" "first"<br>"second" "feedback"<br>"cryptographic" "XOR"<br>@ad<"20030630"                               | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2008/06/08<br>21:30 |
| S2031 | 2    | "arithmetic circuit" "feedback"<br>"cryptographic" "XOR"<br>@ad<"20030630"   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2008/06/08<br>21:30 |
| S2032 | 16   | "arithmetic circuit"<br>"cryptographic" "XOR"<br>@ad<"20030630"  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2008/06/08<br>21:30 |
| S2033 | 202  | "arithmetic circuit" "XOR"<br>@ad<"20030630"   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2008/06/08<br>21:30 |
| S2034 | 0    | "arithmetic circuit" "redundant<br>number representation"<br>@ad<"20030630"  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2008/06/08<br>21:31 |
| S2035 | 17   | "circuit" "redundant number<br>representation"<br>@ad<"20030630"   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2008/06/08<br>21:31 |
| S2036 | 3033 | (380/28)   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2008/12/06<br>11:04 |
| S2037 | 996  | (380/29)   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2008/12/06<br>11:04 |

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| S2038 | 446  | (380/28)(380/29)   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2008/12/06<br>11:04 |
| S2039 | 18   | "circuit" "redundant number<br>representation"<br>@ad<"20030630"               | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2008/12/06<br>11:06 |
| S2040 | 0    | "arithmetic circuit" "redundant<br>number representation"<br>@ad<"20030630"    | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2008/12/06<br>11:06 |
| S2041 | 203  | "arithmetic circuit" "XOR"<br>@ad<"20030630"                                   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2008/12/06<br>11:06 |
| S2042 | 27   | "arithmetic circuit" "previous<br>instruction" completed<br>@ad<"20030630"     | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2008/12/06<br>11:06 |
| S2043 | 42   | "arithmetic circuit" "previous<br>operation" completed<br>@ad<"20030630"       | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2008/12/06<br>11:06 |
| S2044 | 20   | "arithmetic circuit" (previous<br>near3 completed) operation<br>@ad<"20030630" | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2008/12/06<br>11:07 |
| S2045 | 12   | SHEUELING SHANTZ.in.   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2008/12/06<br>11:08 |
| S2046 | 3298 | (380/28)   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2009/06/17<br>19:37 |
| S2047 | 1074 | (380/29)   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2009/06/17<br>19:38 |
| S2048 | 471  | (380/28)(380/29)   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2009/06/17<br>19:39 |
| S2049 | 20   | "arithmetic circuit" (previous<br>near3 completed) operation<br>@ad<"20030630" | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2009/06/17<br>19:39 |
| S2050 | 42   | "arithmetic circuit" "previous<br>operation" completed<br>@ad<"20030630"       | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2009/06/17<br>19:39 |

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| S2051 | 27   | "arithmetic circuit" "previous instruction" completed @ad<"20030630"  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2009/06/17<br>19:39 |
| S2052 | 204  | "arithmetic circuit" "XOR" @ad<"20030630"                             | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2009/06/17<br>19:39 |
| S2053 | 0    | "arithmetic circuit" "redundant number representation" @ad<"20030630" | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2009/06/17<br>19:39 |
| S2054 | 18   | "circuit" "redundant number representation" @ad<"20030630"            | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2009/06/17<br>19:40 |
| S2055 | 3637 | (380/28)  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2010/01/30<br>16:08 |
| S2056 | 1152 | (380/29)  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2010/01/30<br>16:10 |
| S2057 | 503  | (380/28)(380/29)  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2010/01/30<br>16:10 |
| S2058 | 0    | "chained operation" "mutiply accumulate"                              | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2010/01/30<br>16:11 |
| S2059 | 0    | "chained operation" "mutiply" "accumulate"                            | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2010/01/30<br>16:11 |
| S2060 | 153  | "chained operation"   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2010/01/30<br>16:11 |
| S2061 | 734  | "chain operations" circuit  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2010/01/30<br>16:12 |
| S2062 | 71   | "chained operations" architecture @ad<"20030630"                      | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2010/01/30<br>16:13 |
| S2063 | 31   | "chained operations" "instruction set" @ad<"20030630"                 | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2010/01/30<br>16:13 |

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| S2064 | 7    | "chained operations"<br>"instruction set" multiply<br>accumulate @ad<"20030630"                       | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2010/01/30<br>16:13 |
| S2065 | 1    | "chained operations"<br>"instruction set" multiply<br>accumulate partial<br>@ad<"20030630"            | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2010/01/30<br>16:13 |
| S2066 | 2    | "chained operations" multiply<br>accumulate partial<br>@ad<"20030630"                                 | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2010/01/30<br>16:13 |
| S2067 | 11   | "chained operations" multiply<br>accumulate (single near2<br>operation) @ad<"20030630"                | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2010/01/30<br>16:14 |
| S2068 | 3950 | (380/28)  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2010/07/13<br>23:41 |
| S2069 | 1215 | (380/29)  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2010/07/13<br>23:42 |
| S2070 | 1159 | (712/200)   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2010/07/14<br>01:06 |
| S2071 | 1140 | (712/215)   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2010/07/14<br>01:08 |
| S2072 | 790  | (712/221)   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2010/07/14<br>01:09 |
| S2073 | 531  | (380/28)(380/29)  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2010/07/14<br>01:09 |
| S2074 | 164  | (712/200)(712/215)  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2010/07/14<br>01:10 |
| S2075 | 6    | (chained near2 operation)<br>multiply accumulate partial<br>@ad<"20030630"                            | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2010/07/14<br>01:10 |
| S2076 | 1    | (chained near2 operation)<br>multiply accumulate partial<br>(instruction near2 set)<br>@ad<"20030630" | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON | 2010/07/14<br>01:11 |

**12/27/2010 5:50:40 PM**

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